

Appl. No. : 10/502,498
Filed : July 27, 2005

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A device for continuous gravimetric metering and pneumatic conveying of pourable material, which is guided using a metering rotor, positioned pressure-tight in ~~the~~ an enclosed housing and provided with conveyor pockets, over a measuring length, the housing having a pourable material delivery station and an emptying station having respective connections to feed/removal lines of a pneumatic conveyor system and being connected to a force measurement device, via which the torque load exerted on the metering rotor by the material conveyed may be determined, and the feed line and removal line of the pneumatic conveyor system being connected to the bottom of the housing,

wherein ~~the flow deflection~~ a flow deflector from the feed line to the removal line is positioned inside the upper region of the housing.

2. (Original) The device according to Claim 1, wherein the feed line of the pneumatic conveyor system is connected to radially internal openings in the metering rotor.

3. (Original) The device according to Claim 2, wherein the openings are implemented in the form of shafts, which are positioned concentrically to one another.

4. (Original) The device according to Claim 1, wherein the housing is closed on top by a sealing plate.

5. (Original) The device according to Claim 1, wherein the flow deflection inside the housing is implemented at the emptying station in the form of a deflection curve.

6. (Original) The device according to Claim 1, wherein the conveyor pockets of the metering rotor are positioned concentrically to one another.

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7. (Original) The device according to Claim 6, wherein a collection funnel, for transferring the cross-section of the conveyor pockets to the tubular cross-section of the removal line, is implemented on the bottom of the housing.

8. (Original) The device according to Claim 1, wherein the connection of the removal line is implemented as a double connecting piece.

9. (Original) The device according to Claim 1, wherein the feed line and the removal line are connected to one another laterally from the housing by a clamp.

.10. (Original) The device according to Claim 1, wherein compensators of the feed line and the removal line are attached to a shared bracket laterally from the housing.